Attorney's Docket No.: 42390P4728X

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS AND APPARATUS FOR THERMAL MANAGEMENT OF AN INTEGRATED CIRCUIT DIE

the specific	cation of which					
		is attached hereto.	· ·			
	X		ry 14, 2001 as			
	u.t.	United States Application Nu	• .	t Assigned		
	•	or PCT International Applica				
	•	and was amended on	•			
	(if applicable)					
amended bused in the country be sale in the made the sof America application	y any amendment referred United States of America fore my invention thereof United States of America ubject of an inventor's cer a on an application filed by n) or six months (for a des	and understand the contents of the to above. I do not know and on the before my invention thereof, or more than one year prior to the tificate issued before the date of your more than application prior to the graph of the date of the	to not believe that the claimed r patented or described in any this application, that the same is application, and that the inver- f this application in any count is or assigns more than twelve this application.	I invention was ever known or printed publication in any was not in public use or on ention has not been patented or try foreign to the United States months (for a utility patent		
	edge the duty to disclose a gulations, Section 1.56.	Il information known to me to b	e material to patentability as	defined in Title 37, Code of		
patent or in	nventor's certificate listed	its under Title 35, United State below and have also identified that of the application on whice	below any foreign application			
Prior Fore	ign Application(s):					
		•				
	APPLICATION	COUNTRY (OR	DATE OF FILING	PRIORITY CLAIMED		
.	NUMBER	INDICATE IF PCT)	(day, month, year)	UNDER 37 USC 119		
ſ				□ No □ Yes		
· -				□No □Yes		
-			· · · · · · · · · · · · · · · · · · ·	□ No □ Yes		
				1 110 1103		
I hereby cl	aim the benefit under Titl	e 35, United States Code, Secti	on 119(e) of any United State	es		

provisional application(s) listed below:

APPLICATION NUMBER

FILING DATE

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (ISSUED, PENDING, ABANDONED)
09/281,237	03/30/1999	pending
<u> </u>		

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to:

Kerry D. Tweet, Reg. No. 45,959, BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

(Name of Attorney or Agent)

12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025 and direct telephone calls to:

Kerry D. Tweet, (503) 684-6200.

(Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor (given name, family name)	Stephen H. Gunther	
Inventor's Signature Ster 4	Date April 11, 2001	
Residence Beaverton, Oregon USA		
(City, State)	(Country)	
Mailing Address 8310 SW 187th Ave.		
Beaverton, Oregon 97007 USA		

Full Name of Second/Joint Inventor (given name, family name)	Frank Binns
Inventor's Signature	Date 4/20/2001
Residence Hillsboro, Oregon USA (City, State)	Citizenship United Kingdom (Country)
Mailing Address 18180 SW Manna Drive	
Hillsboro, Oregon 97123 USA	· .
Full Name of Third/Joint Inventor (given name, family name)	Jack D. Pippin
Inventor's Signature Jack D- Pope	Date <u>4-20-2001</u>
Residence Portland, Oregon USA	Citizenship USA
(City , State)	(Country)
Mailing Address 5180 NW 168th Place	
Portland, Oregon 97229 USA	
Full Name of Fourth/Joint Inventor (given name, family name)	Linda J. Rankin
Inventor's Signature Linda J Ranh	Date <u>5/1/01</u>
Residence Portland, Oregon USA	Citizenship USA
(City , State)	(Country)
Mailing Address 2362 SW Madison Street	
Portland, Oregon 97205 USA	
Full Name of Fifth/Joint Inventor (given name, family name)	Edward A. Burton
Inventor's Signature Folyand a Burn	Date 4-24-200
Residence Hillsboro, Oregon USA	Citizenship USA
(City, State)	(Country)
Mailing Address 2258 NE Jamie Drive	
Hillsboro, Oregon 97124 USA	

Full Name of Sixth/Joint Inventor (given name, family name)	Douglas M. Carmean
Inventor's Signature	Date 4/14/21
Residence Beaverton, Oregon USA	Citizenship USA
(City, State)	(Country)
Mailing Address 14815 SW Bonnie Brae	
Beaverton, Oregon 97007 USA	
Full Name of Seventh/Joint Inventor (given name, family name)	John M. Bauer
Inventor's Signature	Date
Residence Portland, Oregon USA	Citizenship USA
(City, State)	(Country)
Mailing Address 2530 NW 121st Place	
Portland, Oregon 97229 USA	
Full Name of Eighth/Joint Inventor (given name, family name)	
Inventor's Signature	Date
Residence	Citizenship
(City, State)	(Country)
Mailing Address	·
Full Name of Ninth/Joint Inventor (given name, family name)	
Inventor's Signature	Date
Residence	Citizenship
(City, State)	(Country)
Mailing Address	

Full Name of Sixth/Joint Inventor (given name, family name)	Douglas M. Carmean	
Inventor's Signature	Date	
Residence	Citizenship	
(City, State)	(Country)	
Mailing Address		
	·	
Full Name of Seventh/Joint Inventor (given name, family name)	John M. Bauer	
Inventor's Signature John M. Bauer	Date March 5, 2001	
Residence Portland, Oregon USA	Citizenship USA	
(City, State)	(Country)	
Mailing Address 2530 NW 121st Place		
Portland, Oregon 97229 USA		
Full Name of Eighth/Joint Inventor (given name, family name)		
Inventor's Signature	Date	
Residence	Citizenship	
(City, State)	(Country)	
Mailing Address		
Full Name of Ninth/Joint Inventor (given name, family name)	<u> </u>	
Inventor's Signature	Date	
Residence	Citizenship	
(City, State)	(Country)	
Mailing Address		
Mailing Address		

APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Andrew C. Chen, Reg. No. 43,544; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. P46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. P46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. P41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Erica W. Kuo, Reg. No. 42,775; George B. Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Julio Loza, Reg. No. P47,758; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. P45,750; Michael A. Proksch, Reg. No. 43,021; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; George Simion, Reg. No. P47,089; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. P46,322; Thomas C. Webster, Reg. No. P46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Robert D. Anderson, Reg. No. 33,826; Joseph R. Bond, Reg. No. 36,458; Richard C. Calderwood, Reg. No. 35,468; Paul W. Churilla, Reg. No. P47,495; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Sean Fitzgerald, Reg. No. 32,027; John N. Greaves, Reg. No. 40,362; John F. Kacvinsky, Reg No. 40,040; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Charles A. Mirho, Reg. No. 41,199; Leo V. Novakoski, Reg. No. 37,198; Naomi Obinata, Reg. No. 39,320; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Steven C. Stewart, Reg. No. 33,555; Raymond J. Werner, Reg. No. 34,752; Robert G. Winkle, Reg. No. 37,474; Steven D. Yates, Reg. No. 42.242, and Charles K. Young, Reg. No. 39.435; my patent attorneys, Thomas Raleigh Lane, Reg. No. 42,781; Calvin E. Wells; Reg. No. P43,256, Peter Lam, Reg. No. 44,855, Michael J. Nesheiwat, Reg. No. P47,819; and Gene I. Su, Reg. No. 45,140; my patent agents, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.